**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L1 | 1 | "10568525" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/14 11:10 |
| L4 | 1 | "11722809" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/14 12:50 |
| L5 | 0 | "313".clas. and (incansecent) and (detect$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/14 13:24 |
| L6 | 1749 | "313".clas. and (incandescent filament) and (detect$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/14 13:25 |
| L7 | 114 | "313".clas. and (incandescent filament) and (detect$4 near3 volt $4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/14 13:26 |
| S1 | 1 | 10/569002.app. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 13:38 |
| S2 | 95 | Kashiwabara-Mitsuhiro.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 13:39 |
| S3 | 4935 | 313/504.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 13:40 |

| S4 | 4692 | 313/506.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 13:40 |
|---|---|---|---|---|---|---|
| S5 | 2 | "7085444" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/06 18:45 |
| S6 | 8 | "6885157" "6621168" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/06 18:45 |
| S7 | 558 | "5960411" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/07 15:01 |
| S8 | 2 | "5960411".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/07 15:01 |
| S9 | 0 | (".alpha." adj naphthylphenyldiamine) (".alpha." adj NPD) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/07 15:42 |
| S10 | 0 | (".alpha." adj - naphthylphenyldiamine) (".alpha." adj NPD) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/07 15:42 |
| S11 | 83 | (naphthylphenyldiamine) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/07 15:42 |
| S12 | 1946 | (alpha adj naphthylphenyldiamine) (alpha adj NPD) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/07 15:46 |

| S13 | 1954 | (alpha adj naphthylphenyldiamine) (alpha adj NPD) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 16:35 |
|-----|------|---------------------------------------------------|-----|-----|-----|-----|
| S14 | 1954 | (alpha adj naphthylphenyldiamine) (alpha adj NPD) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/09 08:58 |
| S15 | 762 | S14 and (red and green and blue and white) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/09 08:58 |
| S16 | 2 | "20040032214" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/09 14:38 |
| S17 | 3 | "20040012331" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/07 17:18 |
| S18 | 0 | TPD near3 block3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/07 18:47 |
| S19 | 72 | TPD near3 block$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/07 18:47 |
| S20 | 520 | CBP near3 block$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/07 18:48 |
| S21 | 15 | S20 and "313".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/07 18:49 |

| S22 | 49 | "078163" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/08 22:06 |
|-----|-----|----------|----------|-----|-----|----------|
| S23 | 32 | "078163" | JPO; DERWENT | OR | ON | 2009/05/08 22:06 |
| S24 | 2 | "08078163" | JPO; DERWENT | OR | ON | 2009/05/08 22:07 |
| S25 | 8 | "10003990" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/08 23:02 |
| S26 | 77 | NPD with TPD with CBP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/08 23:23 |
| S27 | 290 | TPB and DCM1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/09 01:55 |
| S28 | 280 | TPB same DCM1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/09 01:55 |
| S29 | 28 | "6392683" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/19 16:56 |
| S30 | 161 | forrest$.in. and "313".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/19 17:47 |
| S31 | 5 | 2004/0113549 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/19 18:35 |

| S32 | 3 | "20040113549" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/19 18:35 |
|-----|-----|---------------|---------|-----|-----|-----------|
| S33 | 28 | "6392683" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/19 18:41 |
| S34 | 181 | bczvbi | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/19 19:02 |
| S35 | 150 | S34 and (red and green and blue) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/19 19:08 |
| S36 | 28 | "6392683" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 12:32 |
| S37 | 1833 | 313/498-512.ccls. and (electrouminescent EL) and extract $4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 13:11 |
| S38 | 803 | hanley$.xa. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 13:23 |
| S39 | 39 | hanley-br$.xa. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 13:24 |
| S40 | 32 | hollweg-t$.xa. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 13:24 |

| S41 | 6 | ("20010016252" \| "20030198038" \| "20050134183" \| "5211128" \| "5382879" \| "5514934").PN. OR ("7564189").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 13:29 |
|-----|---|---|---|---|---|---|
| S42 | 1 | "20010031509" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 16:36 |
| S43 | 12 | "2001/0031509" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 16:37 |
| S44 | 4 | "09771927" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 16:42 |
| S45 | 23 | "6580213" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 16:43 |
| S46 | 835 | DMQd (dimethyl adj quinacridone) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:08 |
| S47 | 61 | S46 with (hole adj2 transport$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:09 |
| S48 | 79 | green near2 (hole adj2 transport $4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:13 |
| S49 | 15 | "5668438" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:14 |
| S50 | 5 | coumarin near2 (hole adj2 transport $4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:17 |
| S51 | 21 | coumarin near4 (hole adj2 transport $4) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:23 |
| S52 | 16 | S51 not S50 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:23 |
| S53 | 102 | "6107734" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 17:53 |
| S54 | 5 | "10963370" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 18:09 |
| S55 | 30 | coumarin with ((electron adj2 transport$4) and (hole adj2 transport$4) and host) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/20 19:34 |
| S56 | 0 | naphthylphenyldiamine with tetraaryldiamine | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 20:16 |
| S57 | 0 | naphthylphenyldiamine same tetraaryldiamine | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 20:16 |
| S58 | 500 | tetraaryldiamine | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 20:17 |

| S59 | 0 | tetraaryldiamine with NPD | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 20:17 |
|-----|---|---------------------------|-----|-----|-----|-----|
| S60 | 0 | tetraaryldiamine same NPD | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 20:17 |
| S61 | 5 | tetraaryldiamine and NPD | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 20:21 |
| S62 | 0 | naphthylphenyldiamine and tetraaryldiamine | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/20 20:21 |
| S63 | 45 | (US-20060227079-$ or US-20030127967-$ or US-20080102310-$ or US-20080093988-$ or US-20080074047-$ or US-20080001512-$ or US-20070278937-$ or US-20070241675-$ or US-20070241667-$ or US-20070235742-$ or US-20070215868-$ or US-20070210322-$ or US-20070182317-$ or US-20060238113-$ or US-20050184659-$ or US-20050140275-$ or US-20050134174-$ or US-20050099116-$ or US-20040247936-$ or US-20040232828-$ or US-20040032214-$ or US-20030189401-$ or US-20010031509-$ or US-20040012331-$ or US-20020197511-$ or US-20050045917-$).did. or (US-20020038867-$ or US-20060192473-$ or US-20050134183-$).did. or (US-5837391-$ or US-7329984-$ or US-7474048-$ or US-6580213-$ or US-7009338-$ or US-7053545-$ or US-7419727-$ or US-6872472-$ or US-6107734-$ or US-7038374-$ or US- | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2009/12/01 18:05 |

| | | 7158161-$ or US-6285039-$ or US-6603140-$).did. or (JP-08078163-$ or JP-10003990-$).did. or (JP-08078163-$).did. | | | | |
|-----|------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|----|-----------------------|
| S64 | 5 | "6713963" "7038384" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/22 11:47 |
| S65 | 3197 | (alpha adj naphthylphenyldiamine) (alpha adj NPD) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 09:14 |
| S66 | 2 | S65 with DPVBi with green | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 09:14 |
| S67 | 22 | S65 same DPVBi same green | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 09:15 |
| S68 | 931 | bathocuproine and block$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 10:26 |
| S69 | 308 | bathocuproine with block$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 10:27 |
| S70 | 756 | phenanthroline with block$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 10:28 |
| S71 | 0 | EP1414081 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 11:47 |

| S72 | 13 | "1414081" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 11:47 |
| S73 | 2 | "20040124766" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 11:55 |
| S74 | 1005 | (Nakagawa-Satoshi$.in. Takeuchi-Kazuyoshi$.in. Nagara-Yoshiaki$.in.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 12:07 |
| S75 | 55 | S74 and red and green and blue | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 12:09 |
| S76 | 3 | "2003229265" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/10 12:26 |
| S77 | 23 | "6831406" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/02/23 12:07 |
| S78 | 1 | "11722809" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/13 16:15 |
| S79 | 22 | "4053809" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/13 16:17 |
| S80 | 7 | "5661367" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/13 16:18 |

| S81 | 2 | "20060208641" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/07/13 16:19 |
|---|---|---|---|---|---|---|
| S82 | 21 | ("4499406" \| "4818915" \| "5162693" \| "5541480" \| "5661367" \| "5811933").PN. OR ("6172462").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:23 |
| S83 | 9 | ("20090230876" \| "20100060183" \| "3662203" \| "5541480" \| "6172462" \| "6294870" \| "6538377" \| "7550925" \| "7612503").PN. OR ("7884549"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:27 |
| S84 | 24 | ("4570104" \| "4825127" \| "5128588" \| "5336968" \| "5698946" \| "5723944" \| "5905338").PN. OR ("6294870"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:32 |
| S85 | 16 | ("4665344" \| "4808876").PN. OR ("5541480").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:40 |
| S86 | 10 | ("4751432" \| "5028845" \| "5424609" \| "5541480").PN. OR ("5955845").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:42 |
| S87 | 18 | "6294870" | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:44 |
| S88 | 16 | ("4665344" \| "4808876").PN. OR ("5541480").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:53 |
| S89 | 30 | ("3424935" \| "3828214" \| "4048539" \| "4053809" \| "4568859" \| "4633135" \| "4727294" \| "4788475" \| "4940923" \| "5047693" \| "5059868" \| "5079479" \| "5355053" \| "5541480" \| "5757137" \| "5932055" \| "5994823" \| "6380679").PN. OR ("6456005" \| "6538377" \| "6563265").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:54 |
| S90 | 9 | ("20010041491" \| "4701664" \| "4918352" \| "5610469" \| "5702179" \| "5844350" \| "6153982" \| "6456005" \| "6894429").PN. OR ("7705540"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 16:56 |
| S91 | 9 | ("20010041491" \| "4701664" \| "4918352" \| "5610469" \| "5702179" \| "5844350" \| "6153982" \| "6456005" \| "6894429").PN. OR ("7705540"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 17:00 |
| S92 | 1 | (09/846194).APP. | USPAT; USOCR | OR | ON | 2011/07/13 17:06 |

| S93 | 5 | ("3727089" \| "4303554" \| "4369208" \| "4941070" \| "5169672").PN. OR ("6604973").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 17:06 |
| S94 | 23 | ("2295694" \| "2304412" \| "2493659" \| "2508114" \| "2701849" \| "2913615" \| "3168668" \| "3543076").PN. OR ("3727089").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/13 17:07 |

**7/ 14/ 2011 2:43:39 PM**
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